

Figure 1

Goal Management

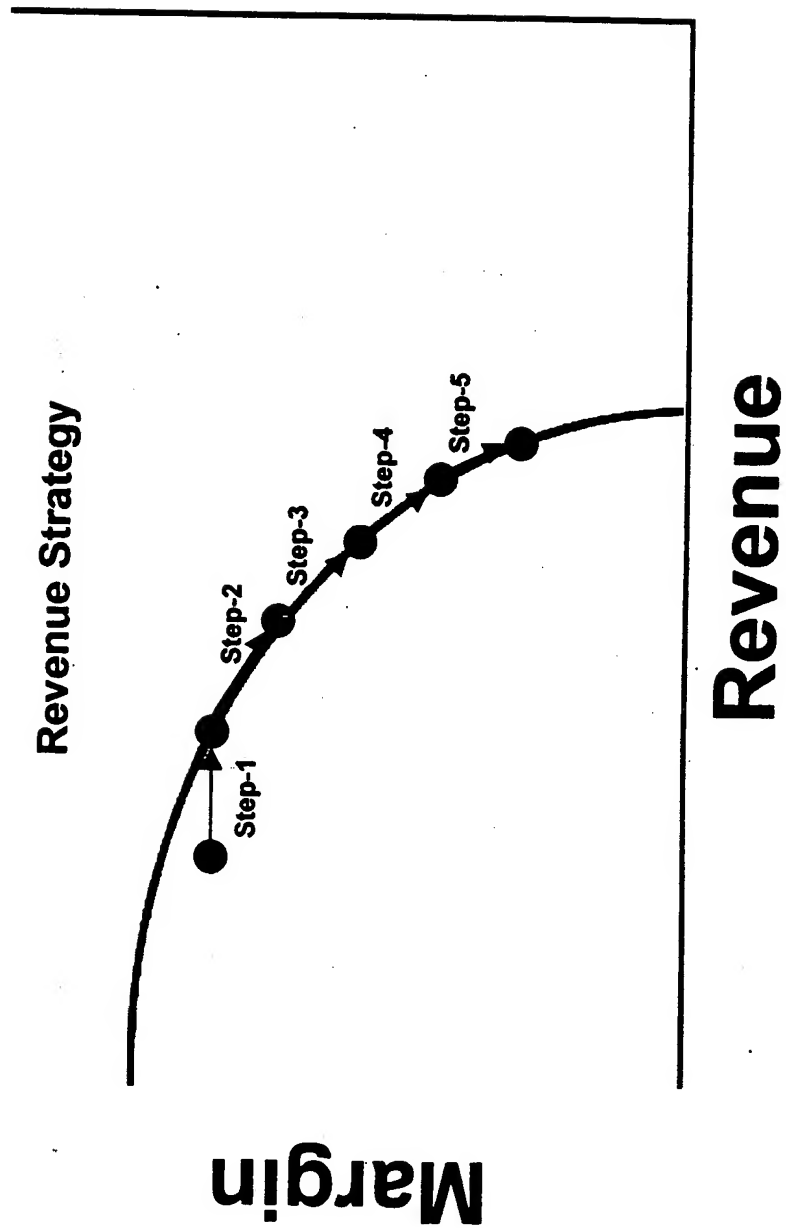


Figure 2

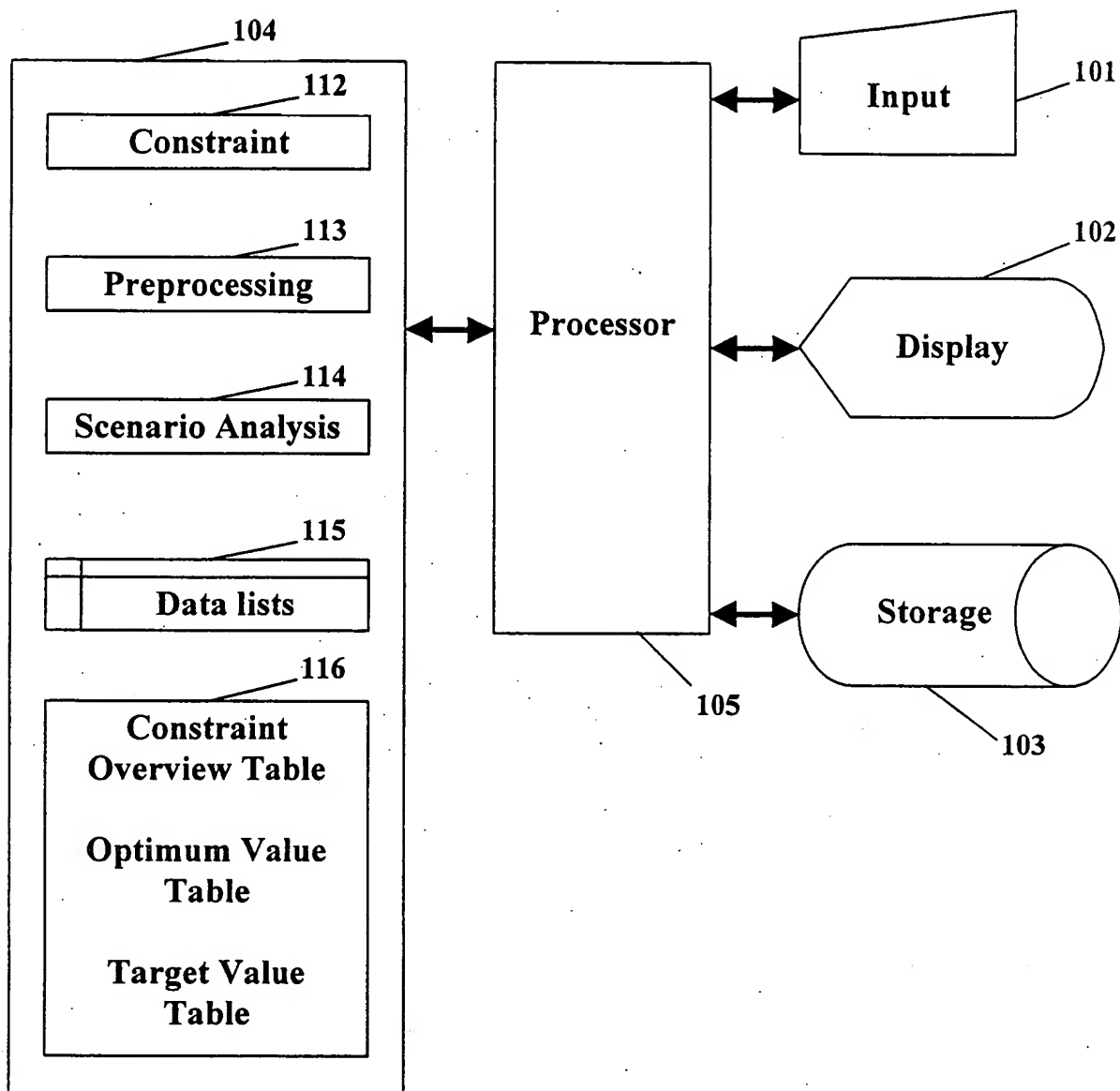


Figure 3

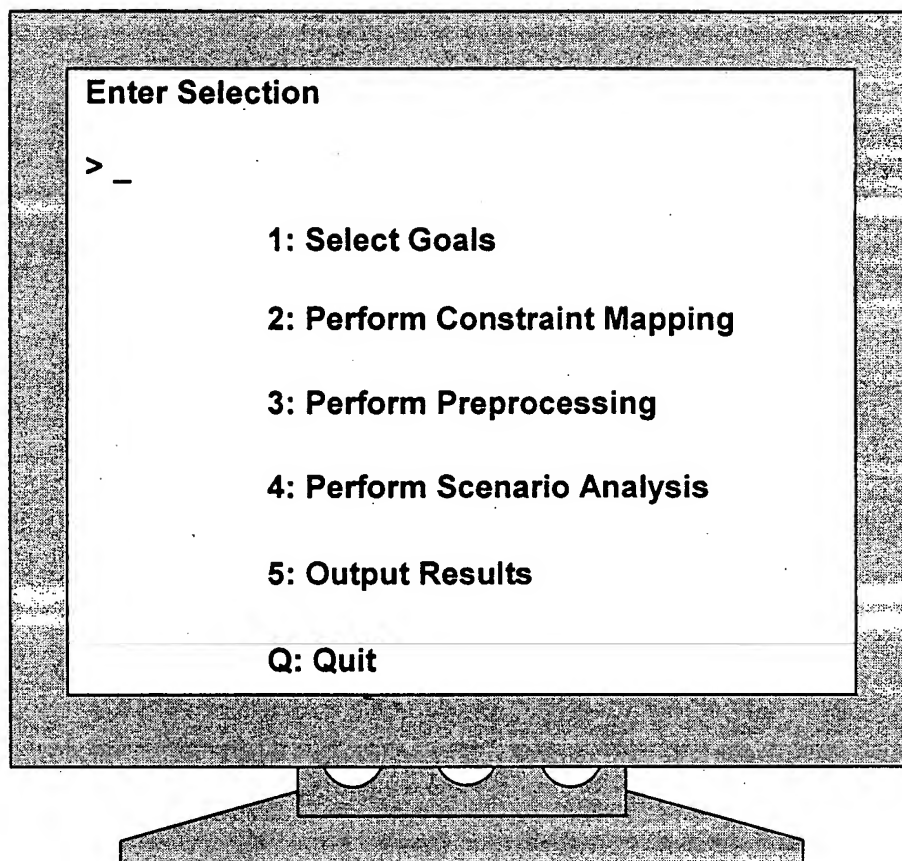


Figure 4

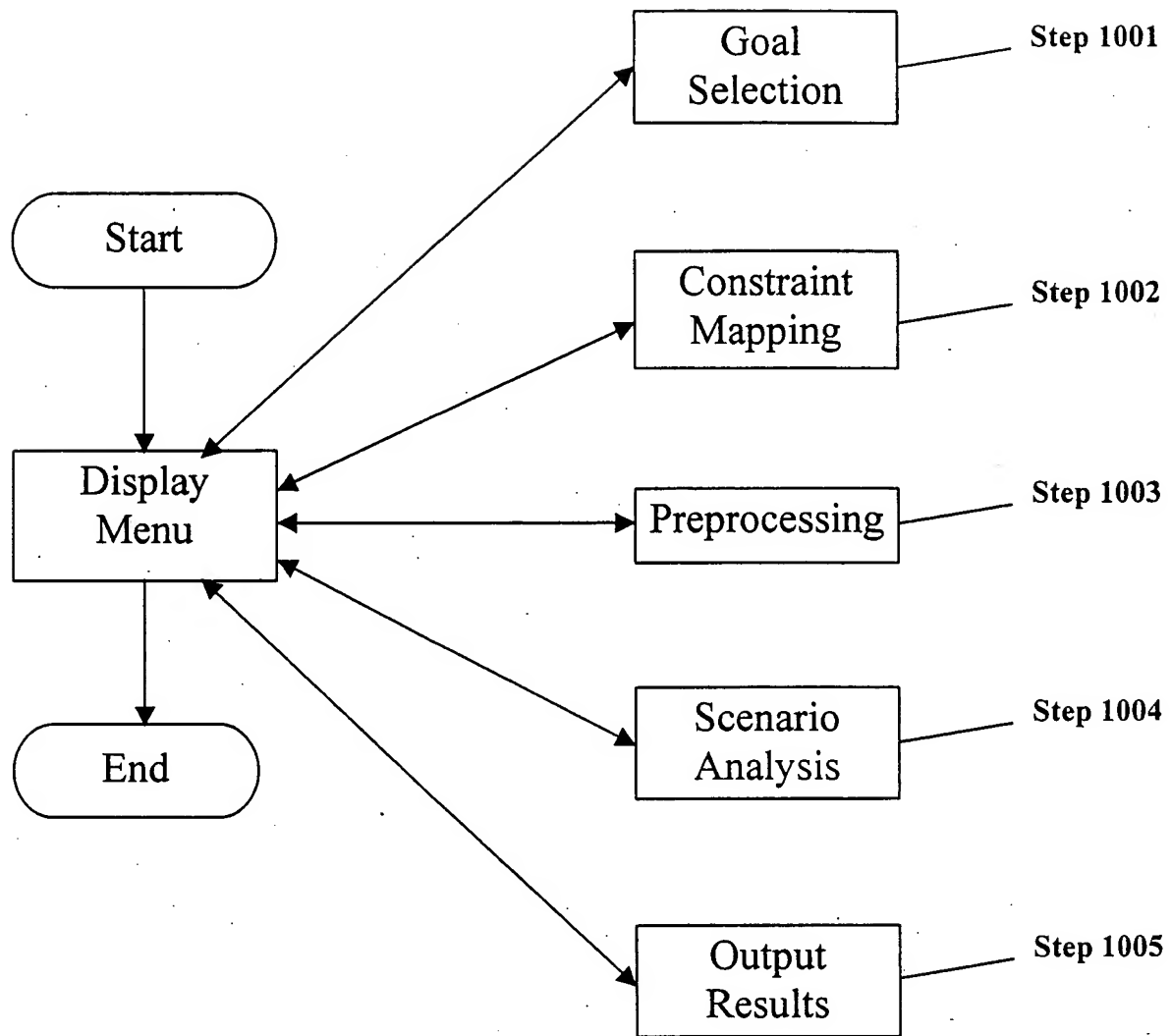


Figure 5

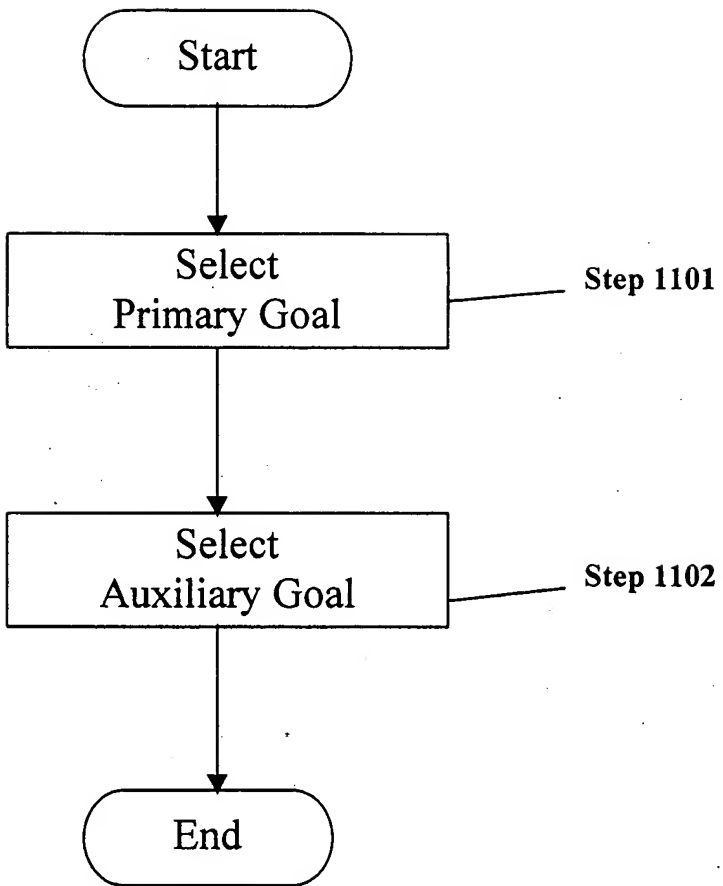


Figure 6

Select Goals

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Select Primary Goal

1. Select Predefined Primary Goal

a. Maximize Gross Profits:

$$\Pi = \sum Q_i(P_i - C_i)$$

b. Maximize Total Sales:

$$\Pi = \sum Q_i P_i$$

2. Define New Primary Goal

Select Auxiliary Goal

3. Select Predefined Auxiliary Goal

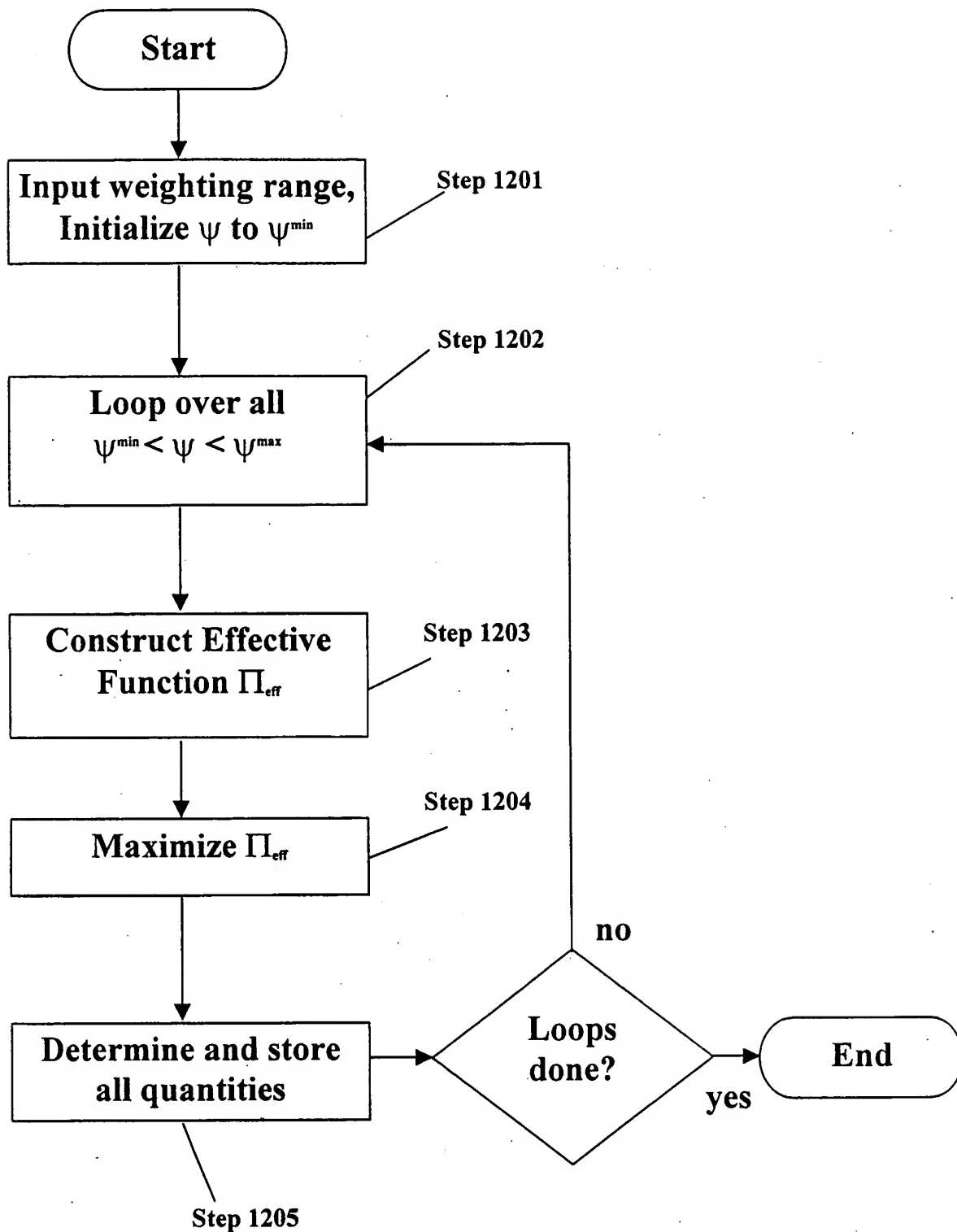
c. Maintain Overall Price Image:

$$\phi = \frac{1}{N} \sum_{i=1}^N \frac{P_i}{P_i} \times w_i,$$

4. Define New Auxiliary Goal

Q. Return to Main Menu

Figur 7



Figur 8

ψ	Π	ϕ
1	\$10,000	0
2	\$11,000	1
3	\$12,000	2
4	\$13,000	3
5	\$14,000	2
6	\$15,000	1
7	\$16,000	2
8	\$17,000	3

Constraint Overview Table

ϕ^{targ}	ψ^{high}	ψ^{low}
0.5	1	2
2.5	3	4
2.5	4	5
3.5	NULL	NULL

$\{\phi^{\text{bound}}\}$

Figure 9

Enter Weighting Rang

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1. Select Minimum Value: ψ^{\min}
2. Select Maximum Value: ψ^{\max}
3. Select Resolution: $\delta\psi$
4. Continue Constraint Mapping Routine

Figure 10

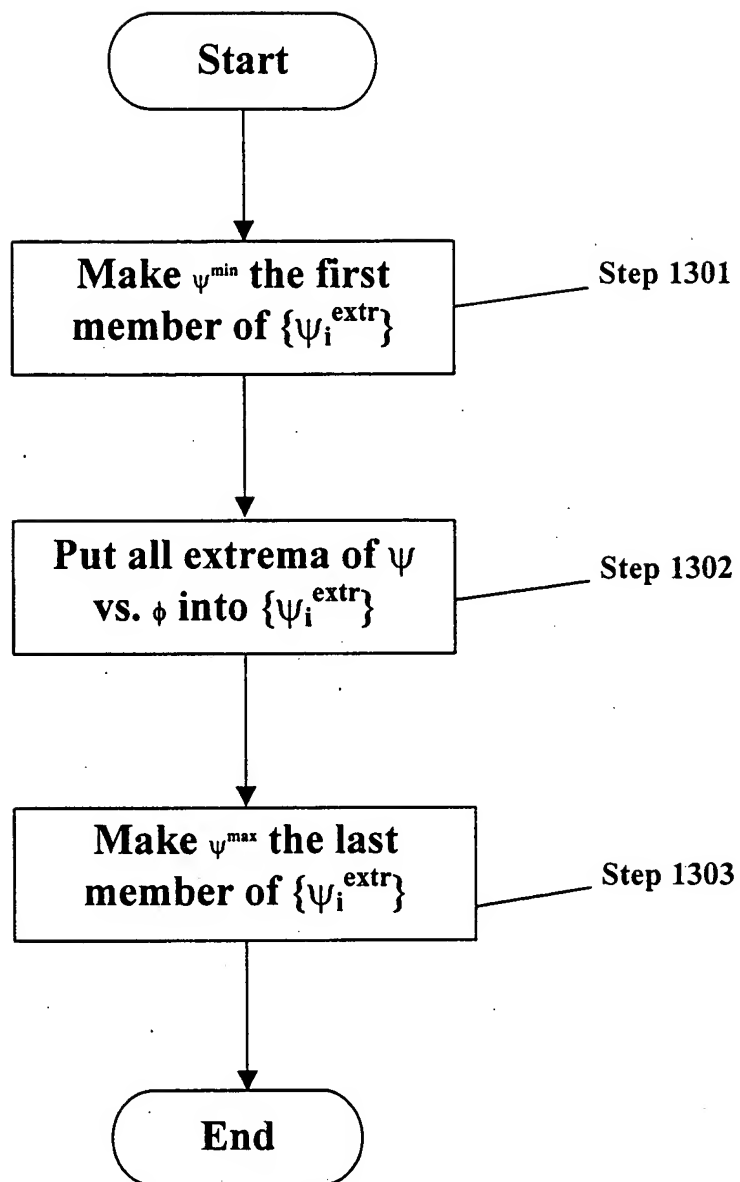


Figure 11

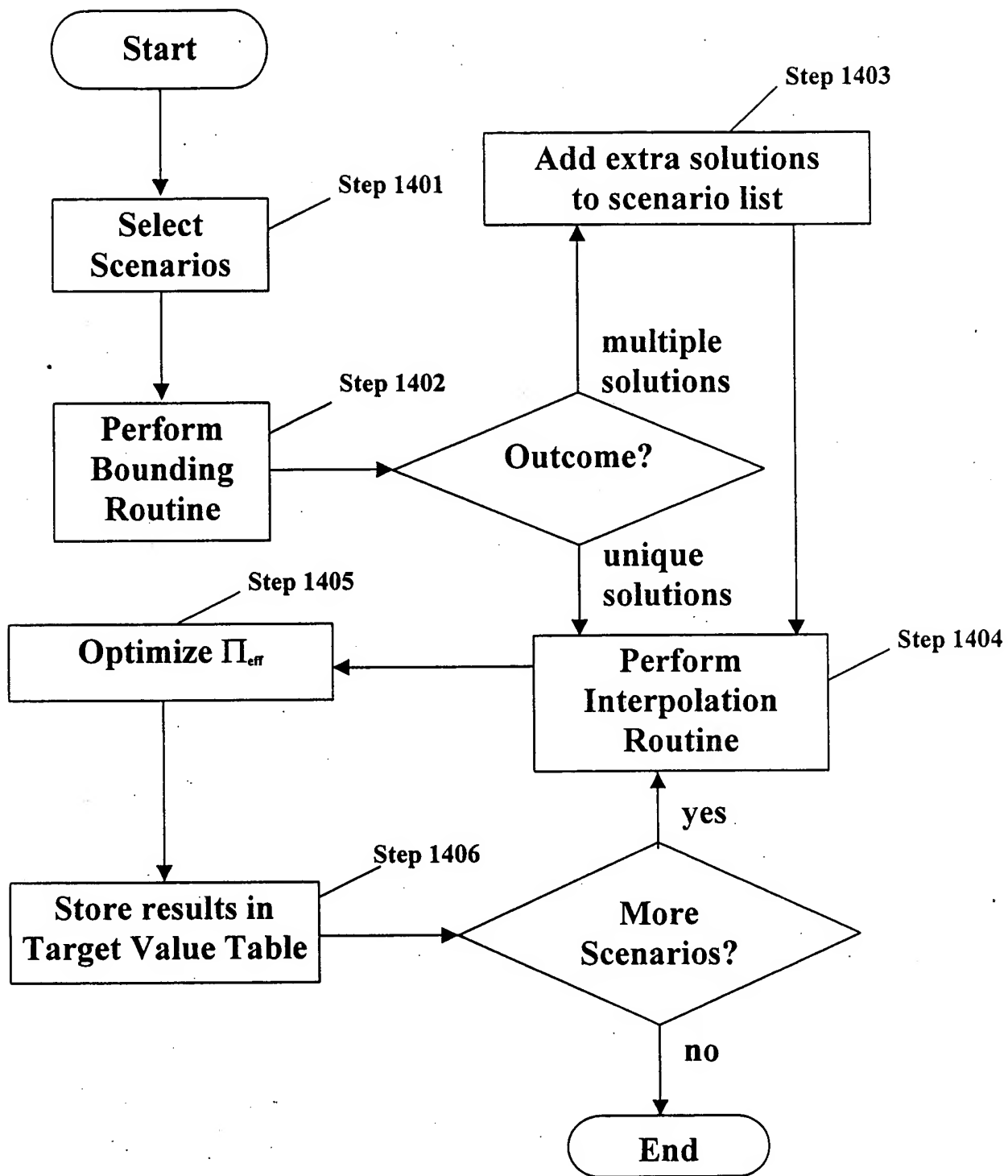


Figure 12

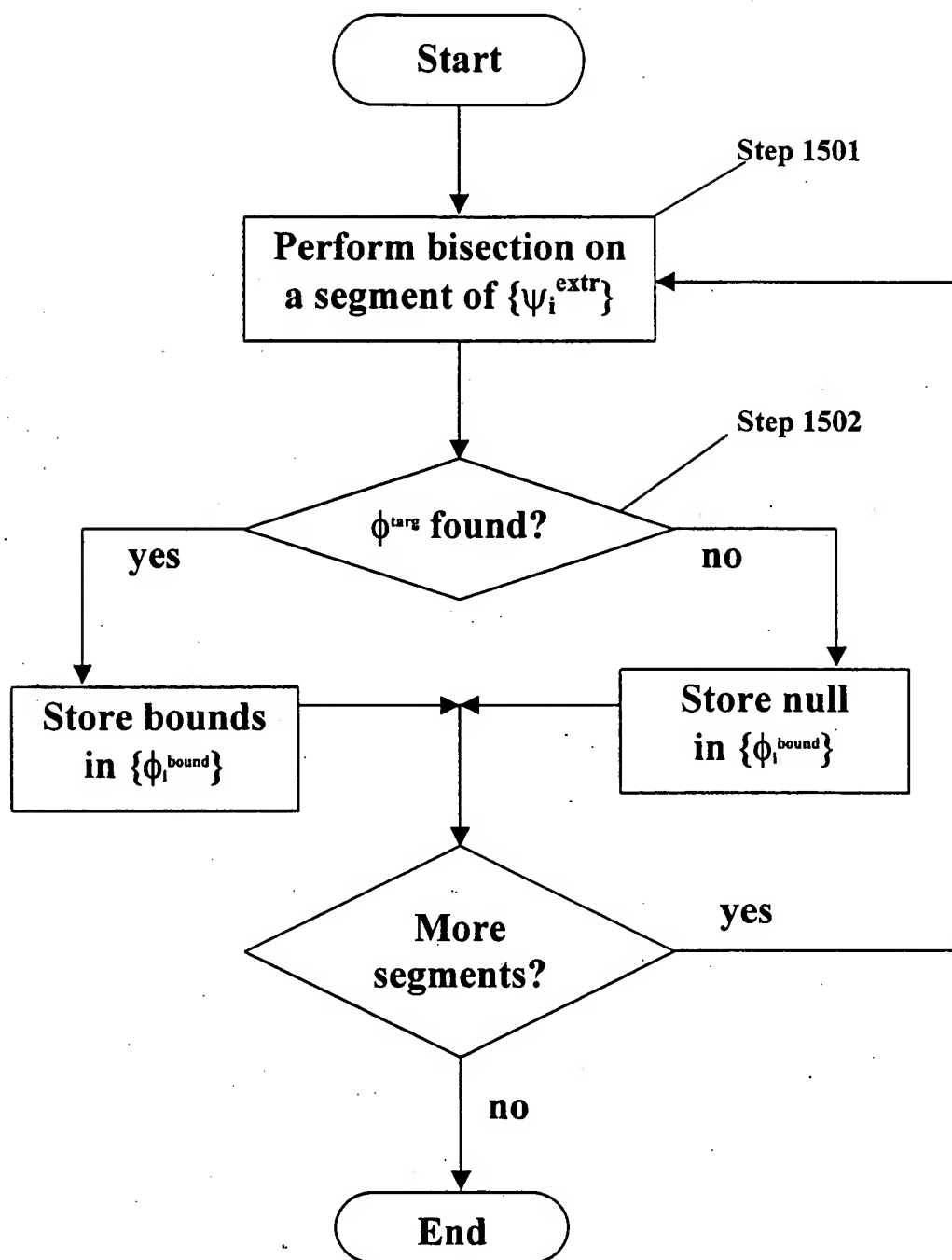
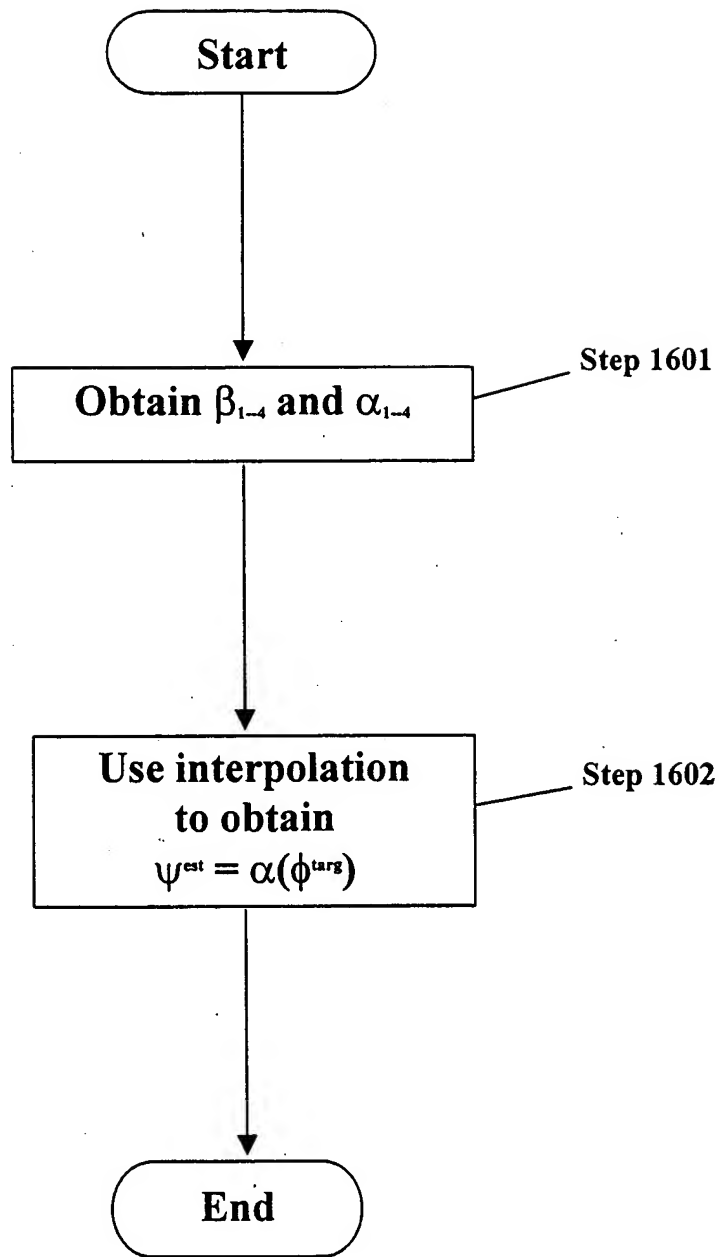


Figure 13



Figur 14

Constraint Overview Table	
...	...
$\psi = \alpha_1$	$\phi = \beta_1$
$\psi = \alpha_2$	$\phi^{\text{low}} = \beta_2$
$\phi^{\text{low}} < \phi^{\text{targ}} < \phi^{\text{high}}$	
$\psi = \alpha_3$	$\phi^{\text{high}} = \beta_3$
$\psi = \alpha_4$	$\phi = \beta_4$
...	...

Figure 15

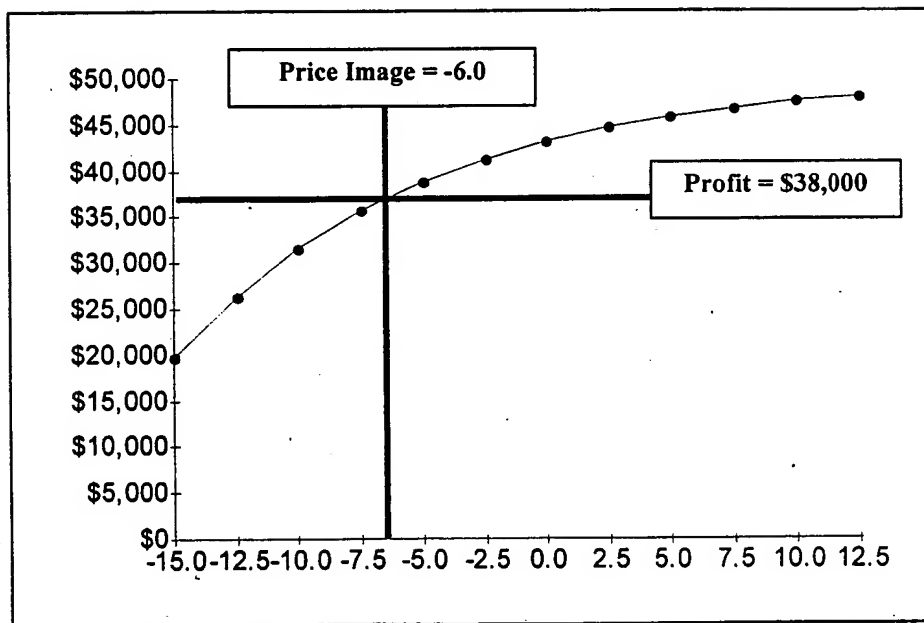


Figure 16